Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
Data File : BF091321.D
Acq On : 29 Nov 2016 12:21
Operator : UM/SJ
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
sohil
11/30/2016 10:32:08 AM

Quant Time: Nov 29 13:29:01 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 12:14:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 173743 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 664202 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 397585 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 644279 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 447688 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.45 | 264 | 381816 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 1223690 | 113.16 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 1507410 | 108.50 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 1409937 | 122.21 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 433578 | 108.14 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.24 | 172 | 2358375 | 97.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.97 | 244 | 2104748 | 107.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.47 | 88 | 269789 | 52.89 | ng | | 87 |
| 3) Pyridine | 3.20 | 79 | 794569 | 57.96 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.16 | 42 | 416228 | 55.45 | ng | | 94 |
| 6) Aniline | 6.53 | 93 | 967643 | 54.48 | ng | # | 71 |
| 8) 2-Chlorophenol | 6.65 | 128 | 651457 | 55.31 | ng | | 89 |
| 9) Benzaldehyde | 6.41 | 77 | 454917 | 60.50 | ng | | 85 |
| 10) Phenol | 6.52 | 94 | 949819 | 61.27 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 661451 | 58.04 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 731839m | 56.98 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 675873 | 51.41 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 687692 | 55.14 | ng | | 97 |
| 15) Benzyl Alcohol | 7.01 | 79 | 563417 | 52.23 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 1376476 | 55.09 | ng | | 71 |
| 17) 2-Methylphenol | 7.12 | 107 | 493575 | 52.96 | ng | # | 76 |
| 18) Hexachloroethane | 7.38 | 117 | 263502 | 56.30 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 467135 | 53.60 | ng | # | 93 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 649958 | 56.81 | ng | # | 58 |
| 22) Acetophenone | 7.28 | 105 | 828075 | 55.25 | ng | # | 80 |
| 24) Nitrobenzene | 7.45 | 77 | 699021 | 57.26 | ng | # | 90 |
| 25) Isophorone | 7.69 | 82 | 1226993 | 56.93 | ng | | 97 |
| 26) 2-Nitrophenol | 7.77 | 139 | 346769 | 70.82 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 7.81 | 122 | 568161 | 55.29 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93 | 762679 | 59.44 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 535953 | 59.03 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 558759 | 53.42 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 1678893 | 52.55 | ng | | 100 |
| 32) Benzoic acid | 7.94 | 122 | 474538 | 58.64 | ng | | 94 |
| 33) 4-Chloroaniline | 8.22 | 127 | 788762 | 56.75 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 355346 | 57.46 | ng | | 98 |
| 35) Caprolactam | 8.61 | 113 | 155240 | 55.45 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 597132 | 61.19 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 1283490 | 58.53 | ng | | 94 |
| 40) Hexachlorocyclopentadiene | 9.03 | 237 | 292306 | 60.61 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 404951m | 54.50 | ng | | |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.18 | 196 | 391581m | 54.85 | ng | | |
| 45) 1,1'-Biphenyl | 9.34 | 154 | 1499807 | 52.32 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 1148913 | 54.72 | ng | | 91 |
| 47) 2-Nitroaniline | 9.45 | 65 | 468223 | 65.71 | ng | | 98 |
| 48) Acenaphthylene | 9.77 | 152 | 1793632 | 53.30 | ng | | 99 |
| 49) Dimethylphthalate | 9.64 | 163 | 1181306 | 47.59 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 290846 | 53.64 | ng | | 97 |
| 51) Acenaphthene | 9.94 | 154 | 1235415 | 53.94 | ng | | 96 |
| 52) 3-Nitroaniline | 9.86 | 138 | 376112 | 64.51 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 158247 | 80.45 | ng | # | 70 |
| 54) Dibenzofuran | 10.12 | 168 | 1647672 | 51.15 | ng | | 95 |
| 55) 4-Nitrophenol | 10.01 | 139 | 243574 | 57.93 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 367923 | 53.62 | ng | # | 62 |
| 57) Fluorene | 10.46 | 166 | 1339358 | 54.33 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 351753 | 56.03 | ng | | 97 |
| 59) Diethylphthalate | 10.33 | 149 | 1216228 | 48.69 | ng | | 96 |
| 61) 4-Nitroaniline | 10.48 | 138 | 359846 | 66.16 | ng | | 95 |
| 62) Azobenzene | 10.61 | 77 | 1297244 | 51.20 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 253153 | 86.64 | ng | # | 56 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 1138289 | 58.19 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 394508 | 56.02 | ng | # | 90 |
| 67) Hexachlorobenzene | 11.01 | 284 | 436182 | 56.50 | ng | # | 92 |
| 68) Atrazine | 11.10 | 200 | 381658 | 73.92 | ng | | 96 |
| 69) Pentachlorophenol | 11.19 | 266 | 262757 | 57.53 | ng | | 96 |
| 70) Phenanthrene | 11.42 | 178 | 1977491 | 59.17 | ng | | 100 |
| 71) Anthracene | 11.46 | 178 | 1719745 | 50.32 | ng | | 100 |
| 72) Carbazole | 11.61 | 167 | 1706075 | 56.10 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.96 | 149 | 1884268 | 53.50 | ng | | 99 |
| 74) Fluoranthene | 12.60 | 202 | 1758277 | 51.72 | ng | | 97 |
| 76) Benzidine | 12.72 | 184 | 823361 | 94.90 | ng | | 96 |
| 77) Pyrene | 12.83 | 202 | 1785419 | 53.97 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 801885 | 60.57 | ng | # | 85 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 1442203 | 56.76 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.98 | 252 | 547070 | 65.29 | ng | # | 99 |
| 82) Chrysene | 14.05 | 228 | 1398146 | 58.23 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 955757 | 58.00 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.62 | 149 | 1410062 | 54.36 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.86 | 276 | 1399254 | 67.66 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.04 | 252 | 1364846 | 56.66 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.07 | 252 | 1161787m | 59.06 | ng | | |
| 89) Benzo(a)pyrene | 15.40 | 252 | 1253565 | 61.18 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.88 | 278 | 1161598 | 61.40 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 17.28 | 276 | 1209686 | 64.47 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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